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Downers
Grove
Sanitary
District

2710 Curtiss Street
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EPA Region 5 Records Ctr.



264185

STAFF

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General Manager
Ralph E. Smith, Jr.
Operations Director
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Administrative Services
Director

LEGAL COUNSEL

Michael C. Wiedel

Providing a Better Environment for South Central
DuPage County

October 15, 1990

Susan Grandle
Human Resources Manager
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, IL 60515

Dear Ms. Grandle:

The industrial discharge permit issued to your facility has been validated and a copy is enclosed. It is effective for a five year term, which begins immediately. The permit will expire on October 15, 1995.

Please call me if you have any questions.

Sincerely,
DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina
Laboratory Services Director

Harry -
This is
your copy.
Janet is supposed
to get back to me
about the water
discharge amt.
I'll keep you
posted -

JML/jml
Enclosure

DOWNERS GROVE SANITARY DISTRICT

Discharge Permit No. 2

Issuance Date: October 15, 1990

Expiration: October 15, 1995

Permittee Name: Tricon Industries Incorporated

Permittee Address: 2325 Wisconsin Avenue
Downers Grove, Illinois 60515

Name of Premise Permitted: Tricon Industries Incorporated
Electromechanical Division

Location of Premise Permitted: 2325 Wisconsin Avenue
Downers Grove, Illinois 60515

In accordance with the provisions of Article II(A), Section 400, of the District's Sewer Use Ordinance, the above designated Permittee is hereby authorized to discharge industrial wastewater from the above identified facility and through the discharge lines identified herein into the sanitary sewer system of the Downers Grove Sanitary District subject to said Permittee's compliance with applicable pretreatment standards, District ordinances, and the terms and conditions of this permit. The Permittee is not authorized to discharge wastewater to the District except by permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards or requirements under local, State, or Federal laws, including any such regulations, standards, requirements, or laws that become effective during the term of this permit.

Non compliance with any term or condition of this permit shall constitute a violation of the Downers Grove Sanitary District's sewer use ordinance.

The Permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The Permittee shall submit to the District such information, forms, and fees as are required in accordance with Article II(A), Section 400.105(e), as application for permit renewal, a minimum of ninety (90) days prior to the expiration date.

DOWNERS GROVE SANITARY DISTRICT

By: Lawrence C. Cox
Lawrence C. Cox, District General Manager

I. Description of the Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electronic contacts, which includes a captive electroplating operation and associated cleaning and finishing operations. These process operations are governed by the Federal Categorical Standards for the Metal Finishing Industry, as required by 40 CFR Part 433.

Rinsewater from the electroplating and finishing areas are pretreated together, prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorine treatment for cyanide destruction, and a final pH adjustment. Discharge of these process wastewaters is continuous during operations.

While solids are collected in a settling basin, no treatment is provided for complexed or dissolved metals. Therefore, plating solutions and the concentrated rinse waters are prohibited from discharge to this system, whether by accidental or deliberate means.

The wastewater discharged from this facility consists of 1) process wastewater, estimated to be from 6,000 to 8,500 gallons daily and 2) sanitary wastewater, estimated at 12,000 gallons per day.

The point of discharge to the District sanitary sewer system is at District Manhole Number II-A-54. Three sampling points are identified in this permit:

001-A This point is at the inspection tank and represents the pretreated plating/finishing rinsewater flow. This sampling point will be used for all monitoring to establish compliance with the limits on metal and TTD parameters cited in Sections IIA and E.

001-B This point is at the cyanide destruction pit in the plating area. This point shall be used to collect cyanide samples to determine compliance with the cyanide limit cited in Section IIA.

001-C This is the inspection manhole in front of the building and will be used to monitor compliance with the specific local limits named in the District ordinance.

II. Discharge Limitations

A. During the effective period of this permit, the discharge flow from the electroplating operation shall not exceed an average flow of 8,500 gallons per day and shall not exceed the following limitations:

<u>Pollutant</u>	<u>Maximum Daily Concentration mg/L</u>	<u>Maximum Monthly Average mg/L</u>
Cadmium, (Total)	0.11	0.07
Chromium, (Total)	2.77	1.71
Copper, (Total)	3.38	2.07
Lead, (Total)	0.69	0.43
Nickel, (Total)	3.98	2.38
Silver, (Total)	0.43	0.24
Zinc, (Total)	2.61	1.48
Cyanide (A)	0.86	0.32
Cyanide (T)	1.2	0.65
pH	6.0 - 9.0	6.0 - 9.0

B. Total toxic organics (TTO) are defined as the summation of all quantifiable values greater than 0.01 mg/L for the specified organics in the Metal Finishing Regulation, 40 CFR Part 433. The TTO limit is specified below:

<u>Pollutant</u>	<u>Daily Maximum</u>	<u>Maximum Monthly Average</u>
TTO	2.13 mg/L	-

C. Plating solutions and any chemical sludge produced in the electroplating or finishing departments, or by the pretreatment system, shall not be discharged to the District's system, but shall be disposed of in an approved landfill or by other approved methods.

D. All discharges from this facility shall be in compliance with the ordinances of the District, the statutes of the State of Illinois, and the regulations of the U.S. Environmental Protection Agency, and the Illinois Environmental Protection Agency.

E. The discharge from this facility shall not produce any adverse effects on the District sanitary sewer service that would endanger private or public property, the public health, the integrity of the receiving stream, and/or the treatment processes of the District Wastewater Treatment Center.

III. Self-Monitoring and Reporting Requirements

A. The Permittee shall sample and analyze wastewater at the specific locations and for the parameters, frequencies and sample types specified herein:

<u>Parameter</u>	<u>Location</u>	<u>Frequency</u>	<u>Sample Type</u>
Flow	Plating/Finishing Water Meters	Daily	-
pH	001-A	3 days/Mo	One grab sample
Copper (T)	001-A	3 Days/Mo	One manual composite that is flow proportioned, and one grab sample.
Nickel (T)	001-A	3 Days/Mo	One Composite, one grab
Silver (T)	001-A	3 Days/Mo	One Composite, one grab
Zinc (T)	001-A	3/Days/Mo	One composite, one grab
Cyanide (T or A)	001-B	3 days/Mo*	One grab sample

* Cyanide samples shall be collected only when cyanide is being treated and there is flow from the cyanide destruction pit.

All samples shall be properly preserved at the time of collection and shall be representative of the volume and nature of the discharge.

B. The Permittee shall report the results of the above analyses to the District on a quarterly basis. These quarterly self-monitoring reports shall be submitted by the twentieth day of the month following the calendar quarter, (i.e., April, July, October and January) and shall include the analytical results and measurements above as well as the following information:

- 1) The volume of chemical solutions and sludges disposed of during the month, the name of the hauler and the ultimate destination of the waste;
- 2) A description of any spills of materials which are prohibited from discharge to the sanitary sewer system, including any of the materials included in the industrial spill prevention, containment and control (SPCC) plan. If no spills occurred, the following certification statement will be included in the report:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- 3) The report shall be signed by the Authorized Representative of the Permittee.

C. If the permittee analyzes any parameters listed in Section IIA at a frequency greater than is specified in Section IIIA, the Permittee shall report all the data collected.

D. The Permittee shall notify the District within 24 hours of when they receive notification that a sample result exceeds the permit limit for any of the parameters listed in Sections IIA and B. The discharge in question shall be resampled within a reasonable length of time, not exceeding 30 days from the date of the violation.

E. Every six months, the Permittee shall collect one manual composite sample at 001-A taken during operating hours and analyze the sample for all the parameters listed in Section II(A). Cyanide shall be reported on one grab sample, for either total or amenable cyanide, taken at the cyanide destruction pit, 001-B. The results shall be reported to the District with the next self-monitoring report. These samples shall be representative of the volume and nature of the discharge.

F. The Permittee shall notify the District immediately, by telephone, upon any accidental or slug discharge to the District's system. The permittee shall follow up with a written report within fifteen days after the incident, fully describing it, who was notified, how the spill was cleaned up and disposed of and what measures will be taken to prevent a recurrence. A slug load is defined by ordinance as five times the daily maximum limit.

G. On request by the District, the Permittee shall provide the District's splits on samples collected for self monitoring purposes.

H. When a compliance schedule has been included as part of the permit, or amended to it, a Pretreatment Compliance Schedule Progress Report shall be submitted to the District no later than fourteen (14) days after the scheduled date for each increment of progress. At a minimum, these reports shall include whether the increment of progress has been complied with, and if not, the date which the Permittee expects to comply with the increment of progress, and the steps being taken to return to the schedule established.

I. All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with other test procedures approved by the USEPA Administrator. Sampling shall be performed in accordance with the techniques approved by the USEPA Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any sampling and analytical procedures approved by the USEPA Administrator.

IV. Permit Compliance

A. The Permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, Subparagraphs A through E.

B. In the event the Permittee does not comply with the conditions of this permit, the Manager of the District shall notify the Permittee in writing of the specific violation of this permit. The Permittee shall be given ten (10) working days from the receipt of the aforementioned notification to respond to the District in writing, detailing the steps taken or to be taken by the Permittee to prevent a recurrence of the cited violation. In the event the Manager of the District determines that the Permittee's action will not prevent a recurrence of a violation of this permit, the Manager will notify the Permittee in writing of the measures and/or devices that the Permittee must institute to comply with the conditions of this permit and the time period in which said measures and/or devices must be implemented. The above provisions are in addition to, not in lieu of any other enforcement remedies available to the District.

C. The falsification or intentional misrepresentation by the Permittee of any data or information required under this permit shall void this permit.

V. General Conditions

A. All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from this facility is expected to materially and substantially change, the Permittee shall give a thirty (30) day notice in writing to the District and shall make new application to the District prior to said change. The Permittee shall not materially or substantially change the type, quality or volume of its wastewaters beyond that allowed by this permit without prior approval of the District.

B. The Permittee shall allow representatives of the Downers Grove Sanitary District, upon presentation of credentials, ready access at all reasonable times to all parts of the Permittee's premises for the purposes of inspection, sampling, records examination, or other tasks necessary to monitor and insure compliance by the Permittee with the terms and conditions of this permit. The Permittee hereby licenses the District the right to use the existing roadway, parking lot and surface areas of the Permittee's facility for the purpose of collecting samples and making inspections of the wastewater discharges to the District system.

C. All monitoring reports required by this permit will be available for public inspection at District offices.

D. The Permittee shall retain for a minimum of three (3) years and afford the District access to any and all records of monitoring activities and results relating to wastewater discharges from the subject facility.

E. This permit is issued to the named Permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.

F. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal or local laws.

G. In the event a court of competent jurisdiction determines that any portion(s) of this permit is invalid, such a determination shall not affect the validity of the remaining portions of this permit.

VI. Term of Permit

The term of this permit shall be from the issuance date of this permit to the stated expiration date. Provided, however, that the permit is contingent upon the issuance of a NPDES Permit to the District. Provided further, that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit, prior to its anticipated expiration date, the District may amend this permit upon sixty (60) days written notice to the Permittee.

REPORTING SUMMARY

<u>Item</u>	<u>Due at DGSD</u>
1. Quarterly Self-Monitoring Reports	By the twentieth day of the month following each respective calendar quarter, (i.e., April, July, October and January).
2. Spill or Slug Reports	Notify the District's Laboratory Director, Janet Lacina or Operations Director, Ralph Smith by telephone as soon as possible after the spill or slug is detected. A written report must be submitted to and received by the DGSD within fifteen calendar days after the telephone notification.
3. Compliance Reports	Submitted within 14 calendar days after the scheduled completion of an increment of progress listed in the compliance schedule.
4. Process or Flow Changes	Submitted to and received by the DGSD within 30 calendar days prior to any changes at which time re-application shall be made for the Industrial Discharge Permit.
5. Permit Renewal Application	Submitted to and received by DGSD 90 calendar days in advance of current permit expiration date.
All reports should be mailed to:	DOWNERS GROVE SANITARY DISTRICT 2710 Curtiss Street Downers Grove, IL 60515 Janet Lacina Laboratory Services Director

DGSD Telephone Contacts

Mon-Fri, 0830 A.M. - 4:30 P.M....969-0664.....Laboratory Services Director

During non-business hours, weekends and holidays, call the same number, 969-0664 and leave a message with the answering service for the person on call.

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Ralph E. Smith, Jr.
Operations Director
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Administrative Services
Director
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Attorney

2710 Curtiss Street, Downers Grove, IL 60515
1-312-969-0664

*Providing a Better Environment for South Central
DuPage County*

February 19, 1986

Mr. Frank Essig
Safety Director
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, IL 60515

Dear Frank:

I have enclosed two copies of the amendment to the discharge permit for Tricon Industries, Inc. Please review it and let me know if you have any questions or comments. Please have the appropriate individuals sign both copies and return them to the District for validation. One of the copies will be returned to you for your files.

The revisions included in the amendment are a rewording of Section III A to an unambiguous description of sample types, locations, and frequencies. Section III B was also revised and divided into two parts, part B describes what information is required in the self-monitoring reports and part C the information which need not be reported, but should be kept on file.

Section IV C was added. It was inadvertently omitted from the final version and is a standard permit condition.

Please call me if you have any comments.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina
Laboratory Services Director

JML/jad
Enclosure

Amendment to Wastewater Discharge Permit No. 2

Permittee Name: Tricon Industries, Inc.

Permittee Address: 2325 Wisconsin Avenue
Downers Grove, IL 60515

Location of Premise Permitted: 2325 Wisconsin Avenue
Downers Grove, IL 60515

Section III. Self-Monitoring and Reporting Requirements shall be wholly replaced by the revision contained herein.

Section IV. Permit Compliance is amended by the addition of part C.

III. Self-Monitoring and Reporting Requirements

- A) The permittee shall sample and analyze the Cleaning and Finishing Department's pretreated discharge for the following parameters at the locations and frequencies specified:

<u>Parameter</u>	<u>Frequency</u>	<u>Sample Location</u>	<u>Sample Type</u>
Flow	Each department working day		
pH	Three working days per month	At inspection tank	One grab sample each sampling day
Copper	Three working days per month	At inspection tank	One flow proportioned composite, and one grab sample each sampling day
Nickel	"	"	"
Silver	"	"	"
Cyanide ¹	"	At cyanide destruction pit	One grab sample each sampling day when there is flow through the destruction pit.

1 Total or amenable cyanide.

All samples shall be properly preserved at the time of collection and shall be representative of the volume and nature of the discharge. The District may adjust sampling frequencies dependent upon the permittee's compliance.

- B) The permittee shall report the results of the above analyses to the District on a quarterly basis. The quarterly self-monitoring reports shall be due on or before the twentieth day of the month following each calendar quarter (i.e., April, July, October, and January). Such reports shall include the following:

1. Sample dates and times,
2. Volumes of spent plating solutions, and/or metal sludges disposed of, including the name of the waste hauler, and the ultimate destination.
3. Any accidental discharges to the sanitary sewer must be described. In none have occurred during the reporting period, the following certification statement shall be included in the report:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standards for total toxic organics and spill containment, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxics or toxic organics has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- C) The permittee shall have on file for review by District representatives the following information:
- 1) The names of persons collecting samples for self-monitoring data,
 - 2) The names, addresses, and telephone numbers for the analytical laboratories providing results,
 - 3) The dates of analyses.
- D) The permittee shall annually collect one twenty-four (24) hour composite sample of the pretreated process wastewater discharge. This sample shall be analyzed by the permittee for all the parameters listed in Section II A, with the exception that only one form of cyanide, either total or amenable, is required.
- E) The permittee shall notify the District immediately upon any accidental or slug discharge to the District's system.
- F) All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with any other test procedures approved by the Administrator. Sampling shall be performed in accordance with the techniques approved by the Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question, or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods, or any other sampling and analytical procedures approved by the Administrator.

VI. Permit Compliance

- C) The falsification or intentional misrepresentation by the permittee of any data or information required under this permit shall void this permit.

PERMITTEE: TRICON INDUSTRIES

BY: [Signature]

ATTEST: [Signature]

DOWNERS GROVE SANITARY DISTRICT

BY: Lawrence C. Cox, MANAGER

ATTEST: [Signature]

Assistant Clerk

DATE: MARCH 11 1986